

METHOD FOR MINIMIZING ERROR IN WEIGHT-MEASURING DEVICES

Abstract

A method for minimizing error in weight-measuring devices includes successively placing one or more standard test loads on the weighing device at a plurality of distinct testing positions located in about a peripheral of two-thirds of a weight-receiving surface of the weighing device, the loads being measured by the weighing device at discrete instances such that the testing positions are utilized individually to measure a selected load, determining the weight error displayed by the weighing device at each of the testing positions, summing the distinct measured weight errors into a summed error, and comparing such a summed error to a desired tolerance level, such that weighing devices exhibiting summed errors of excess of the tolerance level may be identified as being in need of corrective measures, including calibration.